

WHAT IS CLAIMED IS:

1. A method for treating sepsis comprising administering to a patient in need of such treatment a molecule selected from the group consisting of Arg Helix #2, Bis Arg Helix #2, Tris-Arg Helix #3, Tetra-Arg Helix #3, and Tris-Arg Helix #3 Constrained.

2. A method according to claim 1, wherein the molecule is administered to the patient in a pharmaceutical composition comprising the molecule, and a pharmaceutically acceptable carrier therefor.

3. A method according to claim 1, wherein said molecule is administered in conjunction with one or more antibiotics.

4. A method for detecting endotoxin in a sample comprising

- providing a molecule selected from the group consisting of Arg Helix #2, Bis Arg Helix #2, Tris-Arg Helix #3, and Tris-Arg Helix #3 Constrained, wherein the molecule is labeled with a detectable label;
- contacting the sample with the labeled molecule, under conditions that permit the binding of the molecule to any endotoxin in the sample; and
- detecting the presence of any labeled molecule bound to endotoxin.

5. A method according to claim 4, wherein the label is a fluorescent label.

6. A method for removing endotoxin in a sample comprising

- providing a molecule selected from the group consisting of Arg Helix #2, Bis Arg Helix #2, Tris-Arg Helix #3, Tetra-Arg Helix #3, and Tris-Arg Helix #3 Constrained, wherein the molecule is bound to a solid support;
- exposing the sample to the molecule bound to a solid support, under conditions that permit the binding of the molecule to any endotoxin in the sample; and
- collecting the sample.